MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

DECEMBER 1950

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

DECEMBER 1950

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	63.5	64.2	64.4	64.0	19.9	14.9	15.9	17.9	16.8	16.9
2	64.4	63.0	62.9	63.4	19.1	16.4	16.7	18.6	17.2	17.5
3	60.8	58.9	61.4	60.4	20.0	13.1	18.2	19.7	17.8	18.6
4	60.0	58.4	58.4	58.9	20.0	12.5	13.3	17.2	12.9	14.5
5	63.5	63.5	62.2	63.1	17.9	13.9	16.0	16.8	15.0	15.9
6	66.1	65.7	65.9	65.9	18.5	14.9	16.1	17.1	16.1	16.4
7	66.9	66.3	68.0	67.1	19.0	15.3	15.9	18.9	17.3	17.4
8	70.6	69.4	70.0	70.0	19.5	15.2	16.7	19.1	16.7	17.5
9	70.8	70.0	69.6	70.1	19.4	15.6	17.2	19.4	16.7	17.8
10	69.5	68.3	67.7	68.5	20.3	15.8	17.5	19.4	17.1	18.0
11	66.9	65.2	65.3	65.8	20.6	16.5	16.7	19.9	17.7	18.1
12	66.1	65.8	66.8	66.2	20.1	15.1	17.6	19.8	16.7	18.0
13	67.8	66.8	67.3	67.3	19.1	15.6	17.2	18.4	16.3	17.3
14	66.9	65.0	64.3	65.4	20.0	16.5	16.9	19.4	17.8	18.0
15	63.5	62.2	62.2	62.6	21.4	12.5	18.2	20.4	14.1	17.6
16	63.2	63.0	63.5	63.2	22.2	17.0	20.3	21.1	19.2	20.2
17	64.8	63.5	63.8	64.0	21.0	16.9	18.7	20.7	17.9	18.8
18	62.9	61.1	61.5	61.8	20.2	16.2	18.3	20.2	17.8	18.8
19	62.8	61.8	62.7	62.4	19.6	13.2	16.8	18.5	15.8	17.0
20	65.0	64.5	65.4	65.0	18.0	13.6	15.6	17.4	15.1	16.0
21	65.4	63.8	63.6	64.3	18.8	13.9	14.4	17.8	16.9	16.4
22	63.3	61.0	61.1	61.8	21.3	16.9	18.8	20.8	20.5	20.0
23	60.8	59.9	60.9	60.5	21.8	15.3	17.3	20.8	19.3	19.1
24	62.8	61.4	63.1	62.4	19.7	15.1	15.7	19.6	18.2	17.8
25	63.0	61.2	61.9	62.0	18.8	13.2	17.1	18.8	16.3	17.4
26	63.0	61.7	62.2	62.3	19.3	14.9	15.0	18.8	17.8	17.2
27	62.8	61.3	61.0	61.7	18.6	13.2	16.1	17.8	15.6	16.5
28	59.6	56.7	55.8	57.4	23.1	15.8	16.3	18.3	16.8	17.1
29	54.1	53.7	55.9	54.6	19.1	11.8	16.1	17.7	16.6	16.1
30	58.4	58.7	60.7	59.3	16.0	12.2	14.7	14.1	13.4	14.1
31	63.2	63.6	64.1	63.6	17.7	13.7	16.1	15.1	13.9	15.0
	63.95	62.89	63.34	63.38	19.67	14.91	16.69	18.64	16.68	17.32

Barometer, range for month 770 8 mm. — 753.7 mm.

„ 71-yr. average for month 763.23 mm.

Thermometer, range for month 23.1°C —11.8°C

„ 71-yr. average for month 15.99°C.

Rain total for month 200.96 mm.

„ 71-yrs. average for month 185.45 mm.

„ Tolal, Sept. 1st. to end of month 339.85 mm.

„ 71-yr. average, Sept. 1st. to end of month 374.27 mm

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	13.3	16.4	13.6	14.4	73	80	71	75	3.4	150.0	16.26
2	13.0	13.9	12.7	13.2	69	64	65	66	4.9	158.0	1.78
3	13.8	14.0	12.8	13.5	66	62	64	64	6.2	135.0	
4	14.0	11.2	12.8	12.7	92	57	88	79	3.4	418.0	25.66
5	13.5	15.7	13.5	14.2	74	83	77	78	7.3	161.0	
6	10.6	15.3	13.1	13.0	57	83	72	71	8.1	145.0	0.25
7	12.6	15.0	15.3	13.3	70	69	78	72	9.2	122.0	
8	11.6	13.9	13.1	12.9	61	65	69	65	7.9	114.0	
9	12.0	14.6	13.6	13.4	59	63	71	64	9.0	105.0	
10	11.8	14.6	13.7	13.4	58	64	69	64	5.7	93.0	
11	8.8	16.3	13.3	12.8	45	71	66	61	4.0	109.0	
12	7.7	9.5	10.2	9.1	39	40	53	44	8.2	146.0	
13	12.9	14.4	13.1	13.5	64	70	71	68	9.4	119.0	
14	7.6	13.5	9.3	10.1	39	59	45	48	7.6	101.0	
15	9.2	17.0	8.9	11.7	43	70	42	52	9.3	87.0	
16	19.0	18.3	14.5	17.3	79	72	67	73	9.5	113.0	
17	15.3	18.7	17.5	17.2	72	79	88	80	9.4	130.0	
18	16.0	16.3	15.9	16.1	76	70	77	74	8.3	166.0	
19	17.4	13.9	14.1	15.1	91	66	77	78	4.7	219.0	3.81
20	14.5	12.2	11.1	12.6	82	62	65	70	6.7	241.0	13.46
21	11.0	11.8	13.1	12.0	67	58	70	65	8.9	295.0	
22	8.9	14.3	8.1	10.4	42	57	33	44	6.5	188.0	
23	14.1	17.0	16.2	15.8	72	70	72	71	2.9	142.0	1.27
24	16.3	16.8	16.0	16.4	91	75	76	81	7.3	364.0	10.16
25	12.7	16.1	14.6	14.5	65	75	81	74	8.3	296.0	
26	9.2	13.9	14.3	12.5	55	64	71	63	6.1	323.0	
27	12.1	12.8	12.1	12.3	66	63	69	66	4.0	243.0	
28	10.2	12.3	13.1	11.9	57	59	70	62	5.8	262.0	
29	16.2	13.3	16.8	15.4	88	65	88	80	0.8	462.0	20.57
30	15.5	13.9	12.4	14.3	90	87	82	86	0.1	589.0	97.83
31	13.5	15.0	11.9	13.5	77	88	76	80	0.3	496.0	9.91
	12.72	14.57	13.24	13.50	67.0	67.7	69.8	68.3	6.23	215.87	6.482

Height of Barometer above sea level: 33.7 meters.
,, ,, Thermometers above ground:
Dry and wet 1.55 m ; Max. 1.75 m.; Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m
Time of reading minus 2 hours equal G.C.T.
71year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	4cu	8cu-ni	9cu-ni	7.0	1se	2ne	2w	light	Tr., a.m., p.m.
2	8ci	10st-ci	10st	9.7	1se	2ne	1ne	„	Good visibility
3	1ci	6ci-cu	5ci-cu	4.0	0	2nw	1nw	„	„ „ ; Th., p.m.
4	10-ni	9cu-st	5cu-ni	7.7	4sw	4sw	1se	slight	
5	5cu	3cu	0	2.7	1s	1sw	1sw	light	Tr., a.m.
6	1cu	1cu	0	0.7	1se	1sw	1sw	light	
7	1cu	1cu	0	0.7	1se	1ne	2ne	„	Good visibility
8	2ci	8ci	0	3.3	1se	1ne	1ne	calm	
9	5ci	1ci	0	2.0	1s	1ne	1ne	light	
10	5ci	9ci-st	3ci	6.0	1s	1ne	0	„	
11	8ci-st	9ci-st	3ci	6.7	1sw	1nw	1nw	calm	
12	7ci-st	0	0	2.3	2s	2sw	2sw	light	
13	0	3ci	0	1.0	1se	1ne	1ne	„	
14	3ci	7ci-st	3ci	4.3	1se	1ne	0	„	
15	0	0	0	0.0	1e	1ne	0	„	
16	0	0	0	0.0	1e	1ne	1n	light	
17	0	0	0	0.0	2sw	1w	1n	„	D. p.m.
18	3ci	1cu	0	1.3	1se	2n	1n	„	D., a.m.,
19	10ni	7cu	4cu	7.0	2sw	2sw	2sw	„	
20	6cu	4cu	3ci-cu	4.3	2se	1nw	2nw	slight	
21	0	0	5ci	1.7	1se	2ne	1ne	slight	Good Visibility
22	8ci	9ci	8ci	8.3	2e	1ne	2ne	„	
23	10ni	10cu-st	10st-cu	10.0	1s	1sw	1n	„	
24	10ni	2cu	5cu-ni	5.7	4ne	1w	1sw	mod.	
25	1ci	2ci	3ci	2.0	1sw	1nw	1ne	light	
26	3cu-st	6ci	6cu	5.0	1sw	3sw	2ne	light	
27	7cu-st	7cu-ci	0	4.7	1s	1nw	1nw	„	
28	4ci	7ci-st	1cu-ci	4.0	1s	2sw	1sw	„	
29	10-ni	8cu-ni	10ni	9.3	3sw	4sw	4sw	mod.	Th., p.m.
30	10ni	10ni	10ni	10.0	4sw	4sw	4sw	rough	
31	10cu-ni	9cu-ni	5cu-ni	8.0	4sw	2sw	2sw	mod.	
				4.49					

Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	1	3	10	7	9	0	0	1	31
14:30	1	12	0	0	0	11	2	5	0	31
20:30	4	9	0	1	0	9	1	4	3	31
Total	5	22	3	11	7	29	3	9	4	93

Number of days with rain 11, fog 0, thunderstorms 2, gale 0.

71 yr. av. number of days with rain during month 13.4